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TE-2

Date : / /
Page No.:

CNL Assignment - 7

Q.1. Give list of packet analyzer tool.

→ - Packet analyzer is computer program or piece of computer hardware that can intercept & log traffic passing.

- some packet analyzing tools are:

1. Wireshark
2. Network miner
3. OmniPeek
4. EtherApe
5. Commview
6. Wifi Explorer

Q.2. Explain wireshark in detail.

→ a. Wireshark is network packet analyzer it presents captured data in as much detail as possible.

b. It may be used for analyzing/knowing as to what is going on in network cable.

c. Wireshark intercepts traffic & converts that binary traffic into human-readable format. This makes it easy to identify what traffic is crossing your network & analyze it accordingly.

d. Uses of Wireshark:

① Used by network administrators to troubleshoot network problems.

② Used by network security engineers to examine security problems.

③ Used by developers to debug protocol implementations

④ Also used to learn internals of network protocols.

Q.3 Explain steps of installation of packet analyzer tool for Ubuntu.

→ Steps for installation of wireshark:

Step①: Update APT package repositary cache
CMD : sudo apt update

step②: Run wireshark update command
CMD: sudo apt install wireshark
select yes to cont. w/o root access.

Step③: To add user to wire shark group, enter
CMD: Sudo user mod -aG wireshark $ (whoami)

Step4: Reboot your system & installation is complete